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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S20	3244	(704/201 704/219-223).cccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:33
L8	3305	(704/201 704/219-223).cccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:33
L7	58	(random\$3 near7 (seed excitation)) and (LSP ISP ISP LSF) and (wideband "wide band" wide-band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:32
S23	54	(random\$3 near7 excitation) and (LSP ISP ISP LSF) and (wideband "wide band" wide-band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:30
S13	25	(immittance near4 spectral near4 pair)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:29
L6	28	(immittance near4 spectral near4 pair)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:29
L5	44	I4 and seed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:26

## EAST Search History



L4	365	l3 and (lsf lsp "line spectral frequency" "line spectral pair")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:26
L3	1440	(random near6 (vector generat\$4 number)) and (lpc (linear near2 (prediction predictive)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:25
S8	863	(random near6 (vector generat\$4 number)) and LPC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:24
S3	27	((sung near3 sang near3 ho) (hwang near3 hwan near3 dae)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:22
L2	31	((sung near3 sang near3 ho) (hwang near3 hwan near3 dae)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:22
S1	1	10/749544	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:21
L1	1	10/749544	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 10:21

## EAST Search History

S68	19	(gain) near7 (difference subtract\$4) near7 (average) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:33
S67	5	(gain) near7 (quantiz\$5) same (difference subtract\$4) near7 (average) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:32
S64	1	(gain) near7 (quantiz\$5) same (difference subtract\$4) near7 (moving near5 average) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:31
S66	130	(gain) near6 (predict\$4) near7 (error) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:22
S65	10	(gain) near8 (quantiz\$5) near8 (difference subtract\$4) near6 (prediction predictor) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:22
S63	0	(gain) near8 (difference subtract\$4) near7 (moving near5 average) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:09
S62	51	(gain) near8 (quantiz\$4) near7 (difference subtract\$4) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:09

## EAST Search History



S61	133	(gain) near8 (prediction) near8 (error) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 08:59
S60	43	(gain) near6 (quantiz\$5 index) same (error) near7 (previous preceding) near6 frame and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 08:54
S59	22	(gain) same (quantization near5 error) near6 (previous preceding) near6 frame and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 08:43
S58	5	(gain) same (prediction near5 error) near6 (previous preceding) near6 frame and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 18:03
S57	16	(difference subtract\$4) near7 (gain) near7 (prediction near5 error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 17:59
S55	121	S46 and ("14" fourteen) near3 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 17:53
S56	46	S55 and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 17:18

## EAST Search History

S54	28	(ISP LSP LSF ISF "line spectral") with ("14" fourteen) near3 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 17:18
S48	29	(ISP LSP LSF ISF) with ("14" fourteen) near4 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 17:08
S53	10	S50 and S52	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:58
S52	808	gain near6 ("6" six "3" three) near2 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:58
S51	517	gain near6 ("6" six S4 three) near2 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:58
S46	427	gain near6 ("6" six) near3 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:57
S50	45	(ISP LSP LSF ISF) with ("7" seven) near4 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:55

## EAST Search History

S49	151	(ISP LSP LSF ISF) same (("7" seven) near4 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:55
S44	70	(ISP LSP LSF ISF) same (("14" fourteen) near4 bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:55
S47	8	S45 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:44
S45	34	S44 and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:43
S43	3	S42 and ((speech voice) near6 (coding coder encod\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:42
S42	302	S38 and ("XOR")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:36
S41	27	S40 and ((speech voice) near6 (coding coder encod\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:36

## EAST Search History



S40	432	S38 and (exclusive near4 "or")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:36
S38	591	(random near5 number near5 generat\$4) and (shift\$4 near5 ((eight "8") near3 bit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:32
S39	43	(random near5 number near5 generat\$4) same (shift\$4 near5 ((eight "8") near3 bit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:31
S37	7	(random near5 number near5 generat\$4) same (shift\$4 near5 index)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:30
S36	13	(linear near3 prediction) and ((shift\$4 near7 index)) and seed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:28
S35	8	LPC and ((shift\$4 near7 index)) and seed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:26
S34	1	LPC and ((shift\$4 near7 index) same seed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:25

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S33	20	"704"/\$.ccls. and (random same seed) and ((second two) near6 subframe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:18
S32	96	"704"/\$.ccls. and (random same seed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 16:00
S2	2	"6226607".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 15:07
S27	21	"704"/\$.ccls. and (innovation same random)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 14:26
S25	2	"704"/\$.ccls. and (innovative same random)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 14:25
S26	38	(random\$3 near7 (codebook excitation)) and (LSP ISP ISP LSF) and (downsampl\$4 (down near4 sampl\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 14:22
S24	0	"704"/\$.ccls. and (innovative near7 random)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 14:19

## EAST Search History

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S22	16	(random near7 excitation) and ((imittance immittance) near6 (spectral spectrum))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 12:42
S21	42	(random same seed) and (LSF LSP) and "704"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 12:39
S18	32	(random same seed) and (wideband "wide band" wide-band) near7 (speech voice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 12:31
S19	71	"704"/\$.ccls. and ((high near3 pass) near7 dc)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 11:42
S17	303	(random same seed) and (wideband "wide band" wide-band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 11:30
S16	22	S15 and (wideband "wide band" wide-band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 10:52
S15	30	(imittance near3 spectral near4 (frequency frequencies pair))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 10:49

## EAST Search History

S14	18	(imittance near3 spectral near4 (frequency frequencies))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 10:30
S5	46	((ISF ISP) near4 coefficient) (imittance near3 spectral near4 (frequency frequencies))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 10:28
S4	22	(imittance near4 spectral near4 pair)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 10:28
S12	19	S11 and seed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 09:42
S11	49	S9 and (wide-band wideband "wide band")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 09:42
S10	45	S9 and wideband	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 09:41
S9	296	S8 and (LSF LSP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 09:41

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## EAST Search History

S6	115511	(random near6 (vector generat\$4 number))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 09:40
S7	12	S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/15 09:37